



K (K+1) (2K+1) + (K+1)2 = (K+1) [K(2K+1) + (+1) = (K+1) [2K2+K+6K+6 = (K+1) [2K2+7K+6] = (K+1) [2K2 + 4k + 3 + 4+6 = (K+1) [2K(K+2) +3(K+2) = (K+1) [(2K+3) (K+2) = (K+1) ((K+1)+1) (2(K+1)+1 L. H.S